

S E R V I C E N O T E

SUPERSEDES: None

3070 Board Test System

New top plate seal and module filter panel improve air quality within testhead.

Problem:

The Series II Board Test systems have cooling fans that are designed to pull air in from the sides of the testhead. This direction of air flow is required to dissipate the increased power consumption of the double-density pin cards. Since the top of the testhead and fixtures are not airtight, air may pass across the fixture interface field. For some customers, depending on the local environmental conditions, some debris may accumulate on the fixture interface pins. This can cause the following problems:

- Contact problems
- Dust accumulation on top of pins
- Shift of pin gets dirty enough to stick

Situation:

To address this situation, a new Top Plate Seal and Module Filter Panel have been designed. The seal will adhere to the top plate. The filter panel is used to cover all unused modules. The Top Plate Seal and Module Filter Panels will be installed on all new systems starting in February, 1996. All existing Series II systems will need to be upgraded with these new parts. If a customer is experiencing the problems listed above, then the upgrade should be done immediately. Otherwise, this should be done at the next preventative maintenance call or other service call. The upgrade kit and parts have been set up at SMO/SME.

Continued

DATE: June 1996

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:			
MODIFICATION RECOMMENDED			
ACTION CATEGORY:	<input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS:	Labor 1.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: GS	ENTITY: 0980	AGILENT RESPONSIBLE UNTIL: June 1998	
		ADDITIONAL INFORMATION:	

The Top Plate Seal kit, E4000-66220, contains all the necessary materials and installation manual needed for the upgrade. The kit contains enough material to cover both banks of a testhead. If the customer has a one bank system, there will be extra material.

The number of Module Filler Panels needed will depend on the customer's system. The customer will need (1) Module Filler Panel, E4000-00202, wherever there is a space for a module, but no module is present. A 307X testhead will need zero to three panels. A 317X testhead will need zero or one panel. A 327X testhead will never need a filler panel. The fixture interface pins should also be cleaned with the brush provided before the seal and filler panels are installed.

Billing Information:

MTD will pay for 1 hour (parts and labor) to cover the cost of the upgrade. The modification should be done at the next maintenance. If the modification is done due to problems, labor, parts and travel will be covered. Reference this Service Note number on the billing.